PCT/IB2004/052281

		101/1520	
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G06F13/16		-
According to	International Patent Classification (IPC) or to both national classific	cation and IPC	· .
	SEARCHED cumentation searched (classification system followed by classificat	ing gumbols)	
IPC 7	G06F	ion symbols)	•
Documentat	on searched other than minimum documentation to the extent that	such documents are included in the fields so	earched
Etectronic da	ita base consulted during the International search (name of data ba	ase and, where practical, search terms used)
EPO-In	ternal, PAJ		
O DOCUME	ANTE CONSIDERED TO BE RELEVANT		
Category *	NTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the re-	levant passages	Relevant to claim No.
Α	PATENT ABSTRACTS OF JAPAN vol. 006, no. 092 (P-119), 29 May 1982 (1982-05-29) & JP 57 027330 A (HITACHI LTD), 13 February 1982 (1982-02-13) abstract		1,12
Α	US 6 366 984 B1 (CARMEAN DOUGLAS 2 April 2002 (2002-04-02) the whole document	M ET AL)	1-8,12
A	US 6 122 715 A (PALANCA ET AL) 19 September 2000 (2000-09-19) the whole document		1-8,12
Α .	US 5 561 780 A (GLEW ET AL) 1 October 1996 (1996-10-01) the whole document	· .	1-8,12
X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed	in annex.
"A" docume consid "E" earlier of filing d. "L" docume which i citation "O" docume other n "P" docume later th	nt which may throw doubts on priority claim(s) or scited to establish the publication date of another or other special reason (as specified) in treferring to an oral disclosure, use, exhibition or neans in published prior to the international filling date but an the priority date claimed international search	T later document published after the interest or priority date and not in conflict with cited to understand the principle or the invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the document of particular relevance; the cannot be considered to involve an indocument is combined with one or manents, such combination being obvious the art. "&" document member of the same patent Date of mailing of the international search."	the application but early underlying the stairmed invention to considered to current is taken alone stairmed invention ventive step when the ore other such docusto a person skilled
	5 March 2005	27/05/2005	·
Name and m	alling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Rudolph, S	

Interr pplication No
PCT/IB2004/052281

	citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A .	US 4 841 435 A (PAPENBERG ET AL) 20 June 1989 (1989-06-20) abstract column 1, line 8 - column 3, line 33	1-8,12	

opplication No. PCT/1B2004/052281

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-8,12
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8, 12

Arranging data bits from a plurality of data words of less than the maximum number of bits of a bus cycle and placing these in combination on the data bus.

2. claims: 9-11, 13

Selecting a distribution of data words such that the logic level changes on the data lines is minimized.

Interna optication No PCT/IB2004/052281

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JP 57027330	, A	13-02-1982	NONE		
US 6366984	B1	02-04-2002	NONE		
US 6122715	Α	19-09-2000	NONE		
US 5561780	Α	01-10-1996	NONE		
US 4841435	Α .	20-06-1989	WO	8803292 A1	05-05-1988